# PROCEEDINGS 

OF THE

## ENTOMOLOGICAL SOCIETY

OF WASHINGTON

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## Two Hundred and Seventy-Fifth Meeting, March 5, 1914.

The following program was presented:
Variations in Insects and their Transmission.....................athan Banks ${ }^{1}$ Method of Fumigating Imported Seed
E. R. Sasscer and Dr. Lon A. Hawkins ${ }^{2}$

A new species of Callichroma from Texas............................... S. Fisher
A Revision of the North American Species of the Braconid genus
IIabrobracon..................................................... A. Cushman
Secondary and Tertiary Sexual Characters in Muscoid Flies and their
Classificatory Value............................ Charles H. T. Townsend
At the conclusion of the program Mr. C. P. Alexander of Comell University addressed the Society on his studies of the family Tipulidæ, and Mr. M. D. Mitzmain gave an account of his recent work in the Philippine Islands on the insect transmission of surrat in stock animals.

## A NEW SPECIES OF CALLICHROMA FROM TEXAS.

By W. S. Fisher, Burcau of Entomology.
Callichroma schwarzi n. sp.
Male: Rather dull in lustre and of a greenish-blue color throughout above, same beneath but more shining; abdomen rufo-ferruginous; antenne, all of the femora, tibie and tarsi hlack. Prothorax as in ('. plicatum Lee., with front deeply constricted, two elevated spaces just back of the constriction and one long transverse elevated ridge on the poste-

[^0]rior area; with unequally transverse rugx; densely and finely punctate, with short inconspicuous black hairs. Prosternum concave and transversely plicate. Antenna twice the length of the body. Elytra strongly tapering from base to apex, tips separately rounded, sides slightly arcuate; clothed with short inconspicuous ashy grey pubescence; densely and finely punctate except small space at base close to the suture with coarser punctures. Under surface covered with ashy grey pubescence. Scutellum triangular, longer than wide, grooved down the middle, irregularly coarsely punctate. Femora of front and middle pair of legs short and thickened, posterior femora long, reaching a little beyond the tips of the elytra, slightly thickened externally. Posterior tibis nearly as long as the femora, arcuate and flattened. Notch of the fifth ventral segment parabolic. Length 35 mm.; width at base of elytra 9 mm .

Female: Differs from the male in being smaller, antennce not reaching the tips of the elytra, prothorax similar to that of C. splendidum Lec., not transversely rugose at center but densely finely punctured, and slightly rugose toward the sides. Elytra with two inconspicuous transverse bands of a violet sharle, one just in front and the other just back of the middle. Posterior femora slightly arcuate. Posterior tibiæ nearly straight. Length 28 mm .; width, 7 mm .

Habitat: McAllen, Texas.
Type and allotype Cat. No. 18237 U. S. N. M. Paratypes in the author's collection.

Described from four specimens, two females and two males, received from D. K. McMillan with the following note, "Collected May 22, 1909, on the blossoms of Cissus incisa, rather common and a number of mating pairs were crawling among the foliage."

This species is allied to C. plicatum Lec. but is distinguished from that and the other species found in the United States by having dull greenish-blue elytra and all of the femora black. Named for E. A. Schwarz.

The following table will assist in the identification of the species found north of Mexico.

All of the femora testaceous tipped with black............................. . 1
All of the femora entirely black............................................... 2
Front and middle femora black, the posterior ferrugineous tipped with black, elytra blue.....................................................altinum Lec.

1. Thorax and elytra varying from blue to green, thorax with a coppery hue... splendidum Lec.
Thorax and elytra bright green, without coppery hue. Male with fifth ventral deeply broadly emarginate...............smaragdimum Casey
Male with fifth ventral parabolic, not emarginate. ........plicatum Lee.
2. Elytra velvety black.........................................ancholicum Bates

Elytra greenish-blue.......................................... . . schwarzi Fisher.


[^0]:    ${ }^{1}$ Withdrawn by author.
    ${ }^{2}$ Withdrawn for publication elsewhere.
    ${ }^{3}$ To be published later.

